Form PTO-1449 (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

Atty. Docket No.	Serial No.
1789-02202	09/670,230
Applicant: Andrew R. Barron et al.	
Filing Date: 09/28/00	Group: 1731

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
CF	AA	4496714	01/29/85	Murata et al.	528	272	
CF	AB	4676928	06/30/87	Leach et al.	252	313.1	
CF	AC	4952634	08/28/90	Grossman	525	190	
CF	AD	5212261	05/18/93	Stierman	525	506	
CF	AE	5593781	01/14/97	Nass et al.	428	403	
CF	AF	5418298	5/23/95	Laine et al..	525	389	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation YES	Translation NO
CF	AG	9723288	03.07.97	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CF	AH	H. Schmidt and H. Krug, "*Sol-gel-based inorganic-organic composite materials*", ACS Symp. Se. 572, No. Inorganic and Organometallic Polymers II, 183-194, (1994)
CF	AI	Y. Kimura, S. Tanimoto, H. Yamane, T. Kitao, "*Coordination Structure of the Aluminium Atoms of Poly (Methylaloxane), Poly (Isopropoxylaloxane) and Poly [Acyloxy) Aloxane]* ", Polyhedron, Vol. 9, no. 2/3, 371-376, (1990)
CF	AJ	Harry S. Katz, et al. *Handbook of Fillers and Reinforcements for Plastics*, Van Nostrand Reinhold Company, 1978 (49 p.)
CF	AK	Bryan Ellis, *Chemistry and Technology of Epoxy Resins*, Blackie Academic & Professional, an Imprint of Chapman & Hall, (80 p.)
CF	AL	R. Kasemann, H. Schmidt; *Coatings for Mechanical and Chemical Protection based on Organic-Inorganic Sol-Gel Nanocomposites*; New *Journal* of Chemistry, Vol. 18, No. 10-1994; (pp. 1117-1123)
CF	AM	C. T. Vogelson, et al; *Inorganic-Organic Hybrid and Composite Materials Using Carboxylate-Alumoxanes*; (undated) (pp. 8)
CF	AN	S. Pasynkiewicz, *Alumoxanes: Synthesis, Structures, Complexes and Reactions*, Polyhedron, Vol. 9, No. 2/3, 1990 (25 p.)
CF	AO	K. Nakamae, et al; *Studies on Mechanical Properties of Polymer Comnposites by X-Ray diffraction: 3. Mechanism of Stress Transmission in Particulate Epoxy Composite by X-Ray Diffraction*; Polymer, 1992, vo.. 33, No. 13; (pp. 2720-2724)
CF	AP	H. Jullien, et al. *The Microwave Reaction of Phenyl Glycidyl Ether with Aniline on Inorganic Supports: a Model for the Microwave Crosslinking of Epoxy Resins*; Polymer, Vol. 37, No. 15; 1996; (pp. 3319-3330)
CF	AQ	H. Schmidt, et al; *Chemistry and Applications of Inorganic-Organic Polymers*; Mat. Res. Soc. -Symp. Prac. Vol. 73; 1986; (pp. 739-750)
CF	AR	J. deWit, et al; *Evaluation of Coatings - A Total System Approach*; Materials Science Forum, vol. 247 (1997) (pp. 69-82)
CF	AS	Jacqueline I. Kroschwitz, et al., *Encyclopedia of Polymer Science and Engineering*, Vol. 6, *Emulsion Polymerization to Fibers, Manufacture*, A Wiley-Interscience Publication, 1985, (66 p.)
CF	AT	Christopher C. Landry, et al., *From Minerals to Materials: Synthesis of Alumoxanes from the Reaction of Boehmite with Carboxylic Acids*, Department of Chemistry, Harvard University, 1995 (11 p.)
CF	AU	A. Apblett, et al; *Synthesis and Characterization of Triethylsiloxy-Suybstituted Alumoxanes: Their Structural Relationship to the Minerals Boehmite and Diaspore*; American Chemical Society; 1992; (pp. 167-181)
CF	AV	Y. Koide, et al; *$[Al_5(Bu)_5\mu_3\text{-}O)_2((\mu\text{-}OH)_2(\mu\text{-}O_2CPh)_2]$: A Model for the Interaction of Carboxylic Acids with Boehmite*; American Chemical Society 1995; (pp. 4025-4029)

EXAMINER CA [signature] DATE CONSIDERED 5/14/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

CHRISTOPHER A. FIORILLA
PRIMARY EXAMINER
Au 1731

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CF	AW	Y. Koide, et al; *Alumoxanes as Cocatalysts in the Palladium-Catalyzed Copolymerization of Carbon Monoxide and Ethylene: Genesis of a Structure-Activity Relationship*; Organometallics, vol. 15, No. 9. (pp. 2213-2226)
CF	AX	A. MacInnes, et al; *Chemical Vapor Deposition of Gallium Sulfide: Phase Control by Molecular Design*; American Chemical society, 1993; *(pp. 1344-1351)*
CF	AY	R. S. Bauer, *Epoxy Resins*, American Chemical Society, 1985 (15 p.)
CF	AZ	C. Landry, et al; *Siloxy-Substituted Alumoxanes: Synehesis from Polydialkylsiloxanes and Trimethylaluminium, and Application as Aluminosilicate Precursors*; J. Mater. Chem. 1993; (pp. 597 – 6020)
CF	BA	K. Andriand et al; *Synthesis of New Polymers with Inorganic Chains of Molecules*; Journal of Polymer science, Vol. XXX, 1958 (pp. 513-524)
CF	BB	G. Whiteside, et al; Articles; *Molecular Self-Assembly and Nanochemistry: A chemical Strategy for the Synthesis of Nanostructures*; Science, Vol. 254, November 1991; (pp. 1312 - 1319)
CF	BC	B. Yoldas; *Alumina Gels that Form Porous Transparent Al_2O_3* Journal of Materials Science 1975; (pp. 1856-1860)
CF	BD	Malcolm P. Stevens, *Polymer Chemistry, An Introduction*, Oxford University Press, 1990 (9 p.)
CF	BE	A. Kareiva, et al; *Carboxylate-Substituted Alumoxanes as Processable Percursors to Transition Metal-Aluminum and Lanthanide-Aluminum Mixed-metal Oxides: Atomic Scale Mixing via a New Transmetalation* Reactio; American Chemical Society 1996 (pp. 2231-2340) XP
[redacted]		
CF	BG	C. Vogelson, et al; *Inorganic-Organic Hybrid and Composite Materials Using Carboxylate-Alumoxanes*; World Ceramics Congress, June 14-19, 1998; (pp. 499 - 506)
CF	BH	J. M. G. Cowie, Professor of Chemistry, University of Stirling, *Polymers: Chemistry and Physics of Modern Materials*, Intertext Books, (13 p.)
CF	BI	*Thermal Conductivity of Epoxy resin-Aluminium (0 to 50%)*; and *Diavalent Chromium in Alkaline Earth Silicate Systems;* Chapman and Hall Ltd.; 1977; (pp.1689 - 1691)
CF	BJ	H. Schmidt et al., *Inorganic-Organic Hybrid Coatings for Metal and Glass Surfaces*, American Chemical Society 1995 (pp. 331-347)

* Reference BF has been lined through because it is a duplicate of reference AE on the 3/11/03 PTO-1449. Also the copy of the BF reference furnished is uncomplete.

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	5/14/03

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92345.01/1789.02202

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CF	AA	WO 97/24297	10.07.97	PCT	C04B	38/00	X	
CF	AB	0 576 695 A1	26.06.92	Europe	C07F	5/06	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CF	AC	International Search Report for Application No. PCT/US 99/ 06137 dated July 6, 1999 (4 p.)
CF	AD	Kareiva et al.; *Carboxylate-Substituted Alumoxanes as Processable Precursors to Transition Metal-Aluminum and Lanthanide-Aluminum Mixed-Metal Oxides: Atomic Scale Mixing via a New Transmetalation Reaction;* Chemistry of Materials, vol. 8, no. 9, 1996 (pp. 2331-2340)
CF	AE	Callender et al., *Aquesous Synthesis of Water-Soluble Alumoxanes: Environmentally Benighn Precursors to Alumina and Aluminum-Based Ceramics;* Chemistry of Materials, vol. 9, no. 11, November 1, 1997 (pp. 2418-2433)
CF	AF	Chemical Abstracts, vol. 111, no. 24, December 11, 1989, abstract no. 218306m, UHLHORN, R.J.R.: High permselectivities of microporous silica modified gamma-alumina membranes: XP000181419

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